BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineer
Yelahanka Division
B.B.M.P.Bengaluru-64

Original/Duplicate

APPROVED SCHEDULE-'B'

NAME OF THE WORK : Detailed Estimate for the work of Improvements to roads and drains at B sector main and cross roads in ward no - 04.

SI	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.	cum	1039.00	137.80	Rupees One Hundred Thirty Seven And Paise Eighty Only
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M	cum	1039.00	82.13	Rupees Eighty Two And Paise Thirteen Only
3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	cum	132.45	5421.90	Rupees Five Thousand Four Hundred Twenty One And Paise Ninety Only

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BENGALURU-560 010

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
9	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.	sqm	780.00	36.04	Rupees Thirty Six And Paise Four Only
10	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	sqm	1040.00	5.30	Rupees Five And Paise Thirty Only
11	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	cum	91.00	7721.04	Rupees Seven Thousand Seven Hundred Twenty One And Paise Four Only
12	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	sqm	1820.00	14.84	Rupees Fourteen And Paise Eighty Four Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP.	
				Rate	Rate In Words
13	providing and Laying bituminous concrete (4.0 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 5009 complete in all respects complete as per specifications. MORTH Specification No. 508 - using 40 /60 TPH capacity HMP with Mechanical Paver fr-II (30 mm (+/-) mm with 5.4 % VG-30 Bitumen Item No.2.1.2.6)	sqm	72.80	₹8980.32	Rupees Eight Thousand Nine Hundred Eighty And Paise Thirty Two Only
14	Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- prewriting and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications.	sqm	32.00	₹454.74	Rupees Four Hundred Fifty Four And Paise Seventy Four Only

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